



PATENT  
450117-4648

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Technology Center 2600

Applicant : Ralf Böhnke  
Serial No. : 09/146,734  
Filed : September 3, 1998  
For : TRANSMISSION SYSTEM FOR OFDM-SIGNALS WITH OPTIMIZED SYNCHRONISATION  
Examiner : Phirin Sam  
Art Unit : 2661

745 Fifth Avenue  
New York, New York 10151  
Tel. (212) 588-0800

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☒ No additional fee is required.  
☐ The fee has been calculated as shown below.  
☐ This is an application of a small entity under 37 CFR 1.9(f), and the amounts shown in parentheses apply.

Claims as Amended

(1)	(2) Claims remaining after amendment	(3)	(4) Highest number previously paid for	(5) Present extra	(6) Rate	(7) Additional fee
Total claims	* 17	Minus	** 20 =	* 0 x	\$18 (9)	= \$ 0
Independent claims	* 5	Minus	*** 5 =	* 0 x	\$84(42)	= \$ 0
			Total additional fee for this amendment			\$ 0

- \* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.  
\*\* If the highest number of total claims previously paid for is less than 20, write "20" in this space.  
\*\*\* If the highest number of independent claims previously paid for is less than 3, write "3" in this space.

- ☐ This application contains a multiple dependent claim. The required fee of \$280(140) has been previously paid \_\_, or is paid herewith \_\_.
- ☐ This response is being filed within the month following the expiration of the term originally set therefor. This is a petition to request a -month extension of time. A check covering the cost of the petition is enclosed.
- ☐ A check in the amount of \$\_\_ is attached, which covers the cost of \_\_ additional claims \_\_ petition for extension of time.
- ☐ Charge \$\_\_ to Deposit Account No. 50-0320.
- ☒ Please charge any additional fees incurred by reason of this response or credit any overpayment to Deposit Account No. 50-0320.

I hereby certify that this correspondence  
is being deposited with the United States  
Postal Service as first class mail in an  
envelope addressed to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231, on April 25, 2002

William S. Frommer, Reg. No. 25,506  
Name of Applicant, Assignee or Registered  
Representative

Signature  
April 25, 2002  
Date of Signature

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicant

By   
William S. Frommer  
Reg. No. 25,506  
Tel. (212) 588-0800



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745 Fifth Avenue  
New York, NY 10151

I hereby certify that this correspondence is being deposited with  
the United States Postal Service as first class mail in an envelope  
addressed to: Hon. Commissioner of Patents and Trademarks  
Washington, DC 20231, on April 25, 2002.

William S. Frommer, Reg. No. 25,506

Name of Applicant, Assignee or Registered Representative

*William S. Frommer*  
Signature

April 25, 2002

Date of Signature

**REQUEST FOR APPROVAL OF DRAWING CORRECTIONS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Subject to the approval of the Examiner, please make the following corrections to the  
drawings.

In Fig. 1, please label elements of the figure as follows:

- label element 1 --Data--,
- label element 2 --Channel Coding Means--,
- label element 3 --Interleaving Means--,
- label element 4 --Modulation Unit--,
- label element 5 --IDF Transformation Means--,
- label element 6a --Cyclic Extension Means--,
- label element 6b --Burst Shaping Means--,
- label element 7 --DAC--, and
- label element 8 --RF Upconversion Means--.

In Fig. 2, please label elements of the figure as follows:

- label element 10 --Subcarrier Number Generator--,
- label element 11 --Module Means--,
- label element 12 --Compare Means--,
- label element 13 --Compare Value Generator--,
- label element 14 --Switch Means--, and
- label element 17 --Modulate Unit--.

In Fig. 5, please label elements of the figure as follows:

- label element 20 --RF Downconversion Means--,
- label element 21 --ADC--,
- label element 22 --Synchronization Means--,
- label element 23 --Discrete Fourier Transformation Means--,
- label element 24 --Demodulation Unit--,

label element 25 --De-interleaving Means--,  
label element 26 --Channel Decoding Means--, and  
label element 27 --Data--.

In Fig. 6, please label elements of the figure as follows:

label element 23 --Discrete Fourier Transformation Means--, and  
label element 45 --Absolute Value Means--.

In Fig. 7, please label elements of the figure as follows:

label element 23 --Discrete Fourier Transformation Means--, and  
label element 45 --Absolute Value Means--.

In Fig. 8, please label elements of the figure as follows:

label element 23 --Discrete Fourier Transformation Means--, and  
label element 45 --Absolute Value Means--.

In Fig. 9, please label elements of the figure as follows:


label element 40 --MAV Means--,  
label element 46 --Peak Detection Means--,  
label element 48 --Split Means--, and  
label element 49 --Calculation Means--.

These changes are also indicated in red ink on the enclosed photocopies.

Formal drawings including this correction will be submitted upon conclusion of the prosecution of this application.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicant

By:   
William S. Frommer  
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